

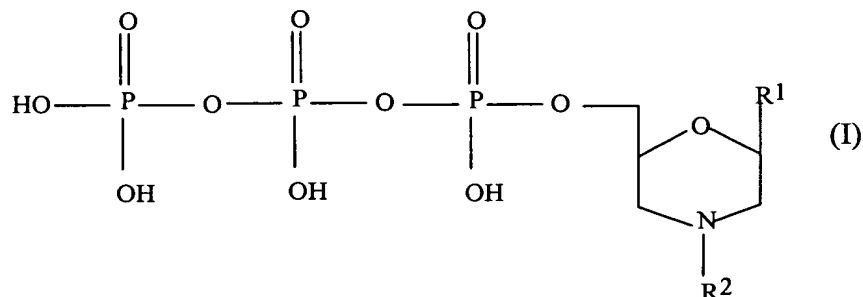
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

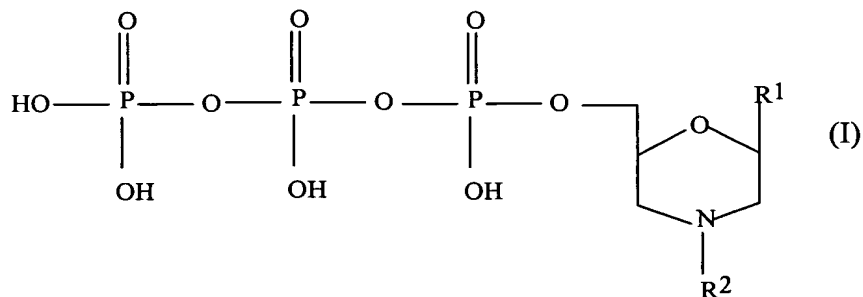
Claims 1-11 (Canceled).

Claim 12 (Previously presented): Morpholino-nucleotide corresponding to the formula:



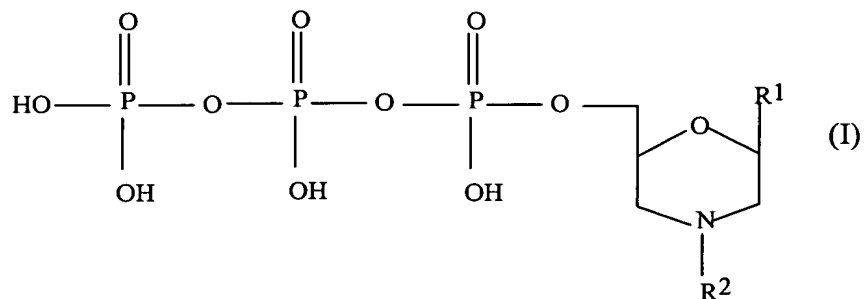
in which R¹ is adenine and R² represents -CH₂-COOH, -(CH₂)₄-NH₂ or -(CH₂)₄-NH-R³ wherein R³ is fluorescein.

Claim 13 (Previously presented): Morpholino-nucleotide of formula:



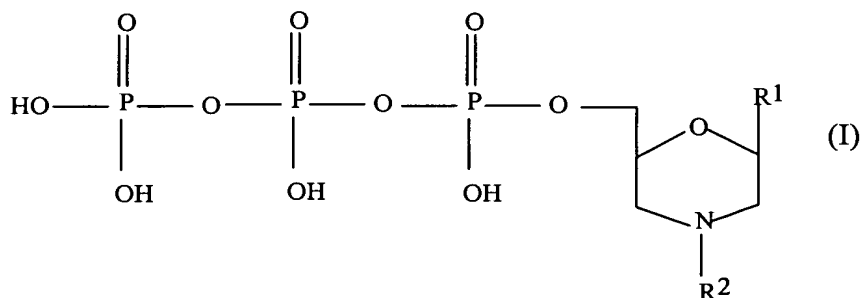
in which R¹ is thymine and R² represents -CH₂-COOH, -(CH₂)₄-NH₂ or -(CH₂)₄-NH-R³ wherein R³ is fluorescein.

Claim 14 (Previously presented): Morpholino-nucleotide corresponding to the formula:



in which R¹ is cytosine and R² represents -CH₂-COOH, -(CH₂)₄-NH₂ or -(CH₂)₄-NH-R³ wherein R³ is fluorescein.

Claim 15 (Previously presented): Morpholino-nucleotide corresponding to the formula:



in which R¹ is guanine and R² represents -CH₂-COOH, -(CH₂)₄-NH₂ or -(CH₂)₄-NH-R³ wherein R³ is fluorescein.

Claims 16-33 (Canceled).